## **Claims**

What is claimed is:

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1. A tagging and tracking system, comprising:

an electromagnetic transmitter having an output;

a modulating tag embedding an information signal on a reflection of the output from the electromagnetic transmitter, wherein the modulating tag includes a tamper proof system;

a receiver for receiving the reflection having the information signal, the receiver having a received output; and

a processor coupled to the received output for decoding the information signal.

- 2. The system of claim 1, further including a database coupled to the processor.
- 3. The system of claim 1, wherein the information signal is a periodic signal.
  - 4. The system of claim 1, wherein the information signal is modulated at a frequency higher than a probable Doppler shift.

- 5. The system of claim 4, wherein the information signal is a polarization modulated signal.
- 6. The system of claim 1, wherein the modulating tag has a battery for power.

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- 7. The system of claim 6, wherein the modulating tag includes an integrated circuit that drives a plurality of switches that create the information signal.
  - 8. A tagging and tracking system, comprising:
- a plurality of modulating tags each attached to one of a plurality of mobile units;
  - a plurality of electromagnetic transmitters positioned in a plurality of key locations;
  - a plurality of receivers, one of the plurality of receivers receiving a reflected signal from one of the plurality of modulating tags; and
  - a database coupled to the plurality of receivers comparing the reflected signal to a predetermined signal.
- 25 9. The system of claim 8, wherein the reflected signal is a phase modulated signal.

10. The system of claim 8, wherein the reflected signal defines a unique identifier for one of the plurality of modulating tags.

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- 11. The system of claim 10, wherein the database contains an associated group of information related to the unique identifier.
- 12. The system of claim 8, wherein the plurality of mobile units are motor vehicles.
  - 13. The system of claim 12, wherein the plurality of modulating tags are each a license tag.
  - 14. The system of claim 13, wherein the plurality of key locations are traffic choke points in a city.

## 15. A tagging and tracking system, comprising:

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a plurality of modulating tags attached to a plurality of mobile units, each of the plurality of tags capable of modulating a polarization of a received signal;

an electromagnetic transmitter having an output capable of being pointed at one of the plurality of modulating tags;

an electromagnetic receiver receiving a reflected signal from one of the plurality of modulating tags; and

a processor uniquely identifying the one of the plurality of modulating tags.

- 16. The system of claim 15, further including a database coupled to the processor, wherein the database contains an information associated with the one of the plurality of modulating tags.
- 17. The system of claim 15, wherein one of the plurality of modulating tags has been tampered with and reflects a tampered signal.
  - 18. The system of claim 15, wherein each of the plurality of modulating tags has a tamper proof system.
- 19. The system of claim 18, wherein the information signal is a periodic signal.

20. The system of claim 19, wherein the information signal has a frequency that is higher than a probable Doppler shift.